

BEST AVAILABLE COPY

IN THE CLAIMS

1. (Canceled)

2. The ~~processing system~~integrated circuit of claim 18, wherein
the one or more cryptographic ~~items~~functions include at least one of:
calculation of a digital signature,
a-verification of a digital signature, and
calculation of a cryptographic key item.

3. (Canceled)

4. The ~~processing system~~ integrated circuit of claim 18, wherein
the link-layer access device includes a multiplication device that is configured to
derive a second point on an elliptic curve from a first point on the elliptic curve, based on
the one or more of the parameters from the node controller.
5. The ~~processing system~~ integrated circuit of claim 18, wherein
the node-controller is configured to effect an exchange of a cryptographic key
with an other processing system, and
the one or more cryptographic items from the link-layer access device functions
includes calculation of the cryptographic key.
6. The ~~processing system~~ integrated circuit of claim 1, wherein
the commands from the node-controller include: a basepoint multiply command, a
point multiply command, an EC-DSA verify command, and an EC-DSA sign command.

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (New) An integrated circuit comprising:
a link layer access device responsive to a controller for performing
communications between an application device and another device across a
communications bus in accordance with a communication protocol; and
a cryptographic accelerator responsive to said controller for performing one or
more cryptographic functions other than encryption and decryption.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.